

AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the Application.

1. (Currently Amended) A motor with a rotation detecting device, comprising:  
a rotary shaft;  
a casing with a bottomed cylindrical part for rotatably containing said rotary shaft; and  
a rotation detecting device which detects rotation of said rotary shaft, wherein the rotation detecting device is supported by a sensor holder, ~~and the sensor holder is provided with an outer electrical connecting portion and is disposed in the casing by incorporation~~insertion into a sensor holder receiving part formed in the casing from an incorporating direction to contact the bottomed cylindrical part for receiving the rotary shaft, and the casing is provided with an electrical connecting opening part from which the outer electric connecting portion of the sensor holder which has been inserted into the sensor holder receiving part is seen, whereby an electrical connection for the sensor holder is made from the electrical connecting opening part.
2. (Currently Amended) The motor with a rotation detecting device according to claim 1, further comprising ~~at the sensor holder receiving part formed on the inner peripheral surface of the bottomed cylindrical part of the casing, and the sensor holder is incorporated removably seated in said~~said the sensor holder receiving part in a state of temporary holding.
3. (Currently Amended) The motor with a rotation detecting device according to claim 1, ~~further comprising~~wherein the sensor holder comprises:  
—————a sensor support part in which the rotation detecting device is incorporated and a terminal support part in which a connecting terminal thereof is incorporated, respectively formed in the sensor holder;~~;~~and

\_\_\_\_\_a wherein the electrical connecting opening part, enabling seeing the terminal support part and the outer electric connecting portion from ~~the outside of the casing~~, is formed on the outer peripheral surface of the bottomed cylindrical part of the casing.

4. (Currently Amended) The motor with a rotation detecting device according to claim 1, further comprising a brush unit in which a brush is incorporated is fixed on the opening side of the bottomed cylindrical part of the casing and the sensor holder in the casing is positioned and supported by the casing on the basis of fixing the brush unit to the casing.

5. (Currently Amended) The motor with a rotation detecting device according to claim 3, further comprising a brush connecting terminal incorporated in a brush unit to extend onto and be supported by the terminal support part of the sensor holder, and which can be seen from the electrical connecting opening part of the casing.

6. (Currently Amended) The motor with a rotation detecting device according to claim 3, further comprising at least one projecting piece part which projects ~~toward~~ from the outside diameter side formed in the electrical connecting opening part of the casing.

7. (Currently Amended) The motor with a rotation detecting device according to claim 6, further comprising an external pull-out terminal unit which is electrically connected to each ~~of~~ connecting terminals of the rotation detecting device and the brushes and is ~~incorporated~~ mounted into the electrical connecting opening part ~~from the outside diameter side of the cylindrical part~~.

8. (Currently Amended) The motor with a rotation detecting device according to claim 27, wherein the sensor holder ~~further comprising a terminal of a~~ the terminal support part that ~~is supported in the state of~~ supports a terminal projecting into ~~the outside diameter direction of the cylindrical part, and a~~ the electrical connecting opening part and the terminal support part is received on a support piece part which supports the terminal support part of the sensor holder is formed ~~on the holder receiving part on the bottom~~ a top surface side of

the bottomed cylindrical part, and an incorporation load at the time of incorporating the external pull-out terminal unit to the terminal support part is received by the support piece part.

9. (Currently Amended) The motor with a rotation detecting device according to claim 6~~7~~, further comprising at least one engaging claw formed on the ~~incorporating tip~~ an insertion side ~~in~~of the external pull-out terminal unit, and ~~said~~the engaging claw is engaged with a step-like engagement receiving part, which is formed ~~on an interior surface of the~~ on an interior surface of the electrical connecting opening part, when the external pull-out terminal unit is ~~incorporated-~~ inserted into the connecting opening part.

10. (Currently Amended) The motor with a rotation detecting device according to claim 9, wherein the engagement receiving part is formed integrally when the casing ~~cylindrical part~~ is molded.

11. (Currently Amended) The motor with a rotation detecting device according to claim 2, further comprising:

a sensor support part in which the rotation detecting device is incorporated and a terminal support part in which a connecting terminal thereof is incorporated formed in the sensor holder, ~~and~~ wherein the electrical

~~—————~~ a connecting opening part, enabling seeing the terminal support part from the outside, is formed on the peripheral surface of the bottomed cylindrical part of the casing.

12. (Currently Amended) The motor with a rotation detecting device according to claim 2, further comprising a brush unit in which a brush is incorporated is fixed on the opening side of the bottomed cylindrical part of the casing and the sensor holder in the casing is positioned and supported by the casing on the basis of fixing the brush unit to the casing.

13. (Currently Amended) The motor with a rotation detecting device according to claim 3, further comprising a brush unit in which a brush is incorporated is fixed on the

opening side of the bottomed cylindrical part of the casing and the sensor holder in the casing is positioned and supported by the casing on the basis of fixing the brush unit to the casing.

14. (Currently Amended) The motor with a rotation detecting device according to claim 4, further comprising a brush connecting terminal incorporated in the brush unit to extend onto and be supported by the terminal support part of the sensor holder, and can be seen from the electrical connecting opening part of the casing.

15. (Currently Amended) The motor with a rotation detecting device according to claim 5, further comprising at least one projecting piece part which projects toward the outside diameter side formed in the electrical connecting opening part of the casing.

16. (Currently Amended) The motor with a rotation detecting device according to claim 3, wherein the terminal of the terminal support part is supported in the state of projecting in the outside diameter direction of the bottomed cylindrical part, and a support piece part which supports the terminal support part of the sensor holder is formed on ~~the holder receiving part on the bottom side~~ a top surface of the bottomed cylindrical part, and an incorporation load at the time of incorporating the external pull-out terminal unit to the terminal support part is received by the support piece part.

17. (Currently Amended) The motor with a rotation detecting device according to claim 5, wherein the terminal of the terminal support part is supported in the state of projecting in the outside diameter direction of the bottomed cylindrical part, and a support piece part which supports the terminal support part of the sensor holder is formed on ~~the holder receiving part on the bottom side~~ a top surface of the bottomed cylindrical part, and an incorporation load at the time of incorporating the external pull-out terminal unit to the terminal support part is received by the support piece part.

18. (Currently Amended) The motor with a rotation detecting device according to claim 6, wherein the terminal of the terminal support part is supported in the state of

projecting in the outside diameter direction of the bottomed cylindrical part, and a support piece part on the channel back side which supports the terminal support part of the sensor holder is formed on ~~the holder receiving part~~ a top surface of the bottomed cylindrical part, and an incorporation load at the time of incorporating the external pull-out terminal unit to the terminal support part is received by the support piece part.

19. (Currently Amended) The motor with a rotation detecting device according to claim 7, further comprising at least one engaging claw formed on the incorporating tip side in the external pull-out terminal unit, and said engaging claw is engaged with a step-like engagement receiving part which is formed to the connecting opening part when the external pull-out terminal unit is incorporated in the electrical connecting opening part.

20. (Currently Amended) The motor with a rotation detecting device according to claim 8, further comprising at least one engaging claw formed on the incorporating tip side in the external pull-out terminal unit, and said engaging claw is engaged with a step-like engagement receiving part which is formed to the connecting opening part when the external pull-out terminal unit is incorporated in the electrical connecting opening part.